

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/528,01YA

Source: IFW/6

Date Processed by STIC: 2-1-05

***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 02/01/2005

PATENT APPLICATION: US/09/528,014A

TIME: 11:39:15

Input Set : A:\C481011.app

Output Set: N:\CRF4\02012005\I528014A.raw

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3 <110> APPLICANT: Barany, Francis
4      Day, Joseph P.
5      Hammer, Robert P.
6      Bergstrom, Donald E.
8 <120> TITLE OF INVENTION: COUPLED POLYMERASE CHAIN REACTION-RESTRICTION
9      ENDONUCLEASE DIGESTION-LIGASE DETECTION REACTION
10     PROCESS
12 <130> FILE REFERENCE: 19603/481
14 <140> CURRENT APPLICATION NUMBER: 09/528,014A
15 <141> CURRENT FILING DATE: 2000-03-17
17 <150> PRIOR APPLICATION NUMBER: 60/125,251
18 <151> PRIOR FILING DATE: 1999-03-19
20 <160> NUMBER OF SEQ ID NOS: 36
22 <170> SOFTWARE: PatentIn Ver. 2.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 50
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
31     Oligonucleotide
33 <400> SEQUENCE: 1
34 tgtgatgatg gtgaggatgg gcctccggtt catgccgccc atcgaggaaac          50
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 50
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
44     Oligonucleotide
46 <400> SEQUENCE: 2
47 gttcctgcat gggcggcgatg aaccggaggc ccatacctcac catcatcaca          50
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 25
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
57     Oligonucleotide
59 <220> FEATURE:
60 <221> NAME/KEY: N_region
61 <222> LOCATION: (25)
62 <223> OTHER INFORMATION: Where N is A,C,T,G or Q(n) analog

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64 <400> SEQUENCE: 3
W--> 65 ttcttcctgc atgggcggca tgaan 25
68 <210> SEQ ID NO: 4
69 <211> LENGTH: 26
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
75     Oligonucleotide
77 <220> FEATURE:
78 <221> NAME/KEY: N_region
79 <222> LOCATION: (26)
80 <223> OTHER INFORMATION: Where N is A,C,T,G or Q(n) analog
82 <400> SEQUENCE: 4
W--> 83 ttctgatgat ggtgaggatg ggcctn 26
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 40
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
93     Oligonucleotide
95 <400> SEQUENCE: 5
96 cttggacgag ttcatacgcg ttcttgcata ggcggcatga 40
99 <210> SEQ ID NO: 6
100 <211> LENGTH: 38
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
106     Oligonucleotide
108 <400> SEQUENCE: 6
109 gcaaactggg tcgccacgtg atgatggtga ggatgggc 38
112 <210> SEQ ID NO: 7
113 <211> LENGTH: 19
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
119     Oligonucleotide
121 <400> SEQUENCE: 7
122 cttggacgag ttcatacgc 19
125 <210> SEQ ID NO: 8
126 <211> LENGTH: 17
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
132     Oligonucleotide

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134 <400> SEQUENCE: 8
135 gcaaactggg tcgccac 17
138 <210> SEQ ID NO: 9
139 <211> LENGTH: 42
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
145     Oligonucleotide
147 <400> SEQUENCE: 9
148 cttggacgag ttcatacgcg ttcctgcatg ggcggcatga at 42
151 <210> SEQ ID NO: 10
152 <211> LENGTH: 41
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
158     Oligonucleotide
160 <400> SEQUENCE: 10
161 gcaaactggg tcgccacgtg atgatggtga ggatgggcct t 41
164 <210> SEQ ID NO: 11
165 <211> LENGTH: 24
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
171     Oligonucleotide
173 <400> SEQUENCE: 11
174 aaaaaagcat ggcggcatg aaca 24
177 <210> SEQ ID NO: 12
178 <211> LENGTH: 22
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
184     Oligonucleotide
186 <400> SEQUENCE: 12
187 aaaagcatgg gcggcatgaa cg 22
190 <210> SEQ ID NO: 13
191 <211> LENGTH: 20
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
197     Oligonucleotide
199 <400> SEQUENCE: 13
200 aagcatgggc ggcataact 20
203 <210> SEQ ID NO: 14
204 <211> LENGTH: 18

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205 <212> TYPE: DNA  
 206 <213> ORGANISM: Artificial Sequence  
 208 <220> FEATURE:  
 209 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 210 Oligonucleotide  
 212 <400> SEQUENCE: 14  
 213 gcatgggagg catgaacc 18  
 216 <210> SEQ ID NO: 15  
 217 <211> LENGTH: 22  
 218 <212> TYPE: DNA  
 219 <213> ORGANISM: Artificial Sequence  
 221 <220> FEATURE:  
 222 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 223 Oligonucleotide  
 225 <400> SEQUENCE: 15  
 226 ggaggcccat cctcaccatc at 22  
 229 <210> SEQ ID NO: 16  
 230 <211> LENGTH: 60  
 231 <212> TYPE: DNA  
 232 <213> ORGANISM: Artificial Sequence  
 234 <220> FEATURE:  
 235 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 236 Oligonucleotide  
 238 <220> FEATURE:  
 239 <221> NAME/KEY: N\_region  
 240 <222> LOCATION: (30)  
 241 <223> OTHER INFORMATION: Where N is A,C,T,G  
 243 <400> SEQUENCE: 16  
 W--> 244 ccaagtgatg atggtgagga tgggcctccn gttcatgccg cccatgcagg aacgcgtatg 60  
 247 <210> SEQ ID NO: 17  
 248 <211> LENGTH: 50  
 249 <212> TYPE: DNA  
 250 <213> ORGANISM: Artificial Sequence  
 252 <220> FEATURE:  
 253 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 254 Oligonucleotide  
 256 <400> SEQUENCE: 17  
 257 gttcctgcat gggcggcatg aactggaggc ccacccacac catcatcaca 50  
 260 <210> SEQ ID NO: 18  
 261 <211> LENGTH: 50  
 262 <212> TYPE: DNA  
 263 <213> ORGANISM: Artificial Sequence  
 265 <220> FEATURE:  
 266 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 267 Oligonucleotide  
 269 <400> SEQUENCE: 18  
 270 gttcctgcat gggcggcatg aacgggaggc ccacccacac catcatcaca 50  
 273 <210> SEQ ID NO: 19  
 274 <211> LENGTH: 50

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275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
280     Oligonucleotide
282 <400> SEQUENCE: 19
283 gttcctgcat gggcggcatg aacaggaggc ccatactcac catcatcaca           50
286 <210> SEQ ID NO: 20
287 <211> LENGTH: 50
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
293     Oligonucleotide
295 <400> SEQUENCE: 20
296 gttcctgcat gggcggcatg aatcgaaggc ccatactcac catcatcaca           50
299 <210> SEQ ID NO: 21
300 <211> LENGTH: 50
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
306     Oligonucleotide
308 <400> SEQUENCE: 21
309 gttcctgcat gggcggcatg aagcgcaggc ccatactcac catcatcaca           50
312 <210> SEQ ID NO: 22
313 <211> LENGTH: 50
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
319     Oligonucleotide
321 <400> SEQUENCE: 22
322 gttcctgcat gggcggcatg aaacgtaggc ccatactcac catcatcaca           50
325 <210> SEQ ID NO: 23
326 <211> LENGTH: 50
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
332     Oligonucleotide
334 <400> SEQUENCE: 23
335 gttcctgcat gggcggcatg aacatgaggc ccatactcac catcatcaca           50
338 <210> SEQ ID NO: 24
339 <211> LENGTH: 50
340 <212> TYPE: DNA
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/528,014A

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 25  
Seq#:4; N Pos. 26  
Seq#:16; N Pos. 30  
Seq#:32; N Pos. 25  
Seq#:34; N Pos. 30

## VERIFICATION SUMMARY

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Input Set : A:\C481011.app

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L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0